The Default PIN code is 0000.

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Digital Set-Top Box
Common Interface Standard

F3-FOX CI

User's Manual

The product image may differ from the actual product.

HUMNO-F3FOXCI.300GB

Notice

Thank you for purchasing a HUMAX Digital Satellite Receiver. Please read this user manual carefully, to be able to safely install, use and maintain the product at maximum performance. Keep this user manual next to your product for future reference.

Throughout the whole manual, **Note** indicates additional product operation information to make the user aware of possible problems and information of any importance to help the user understand, use and maintain the installation.

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The product has been manufactured to satisfy international safety standards. Please read the following safety precautions and warnings carefully.

- Disconnect the product from the mains before you start any maintenance or installation procedures.
- Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.
- The product should not be exposed to liquid of any kind. In addition, no objects filled with liquid, such as vases, should be placed on the apparatus.
- Do not stand the product on soft furnishings or carpets. Do not stack electronic equipments on top of the product.
- Do not use any unsupported attachments as these may be hazardous or cause damage to the product.
- Disconnect the product from the mains before connecting or disconnecting the cable from the antenna or TV.
- The LNB cable must be earthed to the system earth for the satellite dish.
- Place the product indoors to avoid exposing it to lightening, rain or sun. Do not place it near a radiator or heat register. Make sure it has more than 10 cm clearance from any appliances susceptible to electromagnetic influences, such as a TV or a VCR.
  Do not block these openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface. If you place the product on a rack or bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
  Do not place the product on an unstable cart, stand, tripod, bracket, or table where it can fall. A falling product can cause serious injury to a child or adult, and serious damage to the appliance.
- Unplug the product from the wall outlet and disconnect the antenna during a thunderstorm or when left unattended and unused for long periods of time.
- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.
- When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorised substitution may result in additional damage to the unit.

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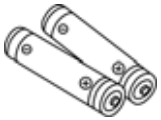
This chapter provides detailed instructions on the product and its accessories.

1.1 Package Contents

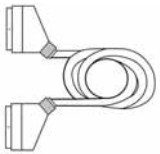
When you unpack your package contents, make sure you have all the necessary items shown in the figure below. If any of the items are missing or damaged, please contact your product dealer for replacement.

Remote Control



Batteries

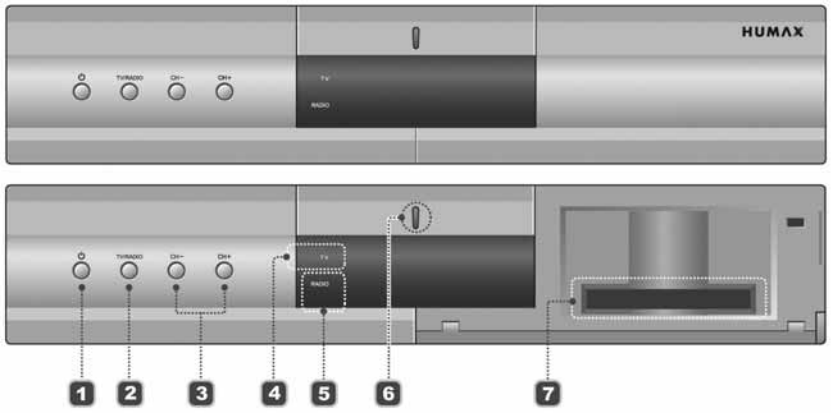
User's Manual



Scart Cable

Note: The product image may differ from the actual product.

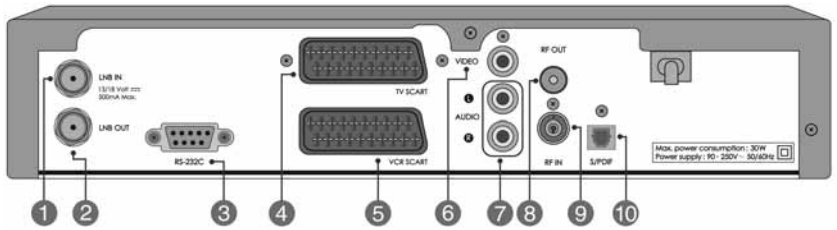
1.2 Front Panel



1. **STANDBY Button**
   Switches between Operation and Standby modes.
2. **TV/RADIO Button**
   Switches between TV and Radio.
3. **CH-/CH+**
   Moves the TV/Radio service up/down.
4. **TV LED**
   Green light is emitted when the product is in TV mode.
5. **RADIO LED**
   Amber light is emitted when the product is in Radio mode.
6. **STANDBY LED**
   Red light is emitted when the product is in standby mode.
7. **CI-MODULE SLOT**
   A slot for a CI module with a Smartcard.

Note: See **1.4 Conditional Access** when you insert the CI-Module.

1.3 Rear Panel



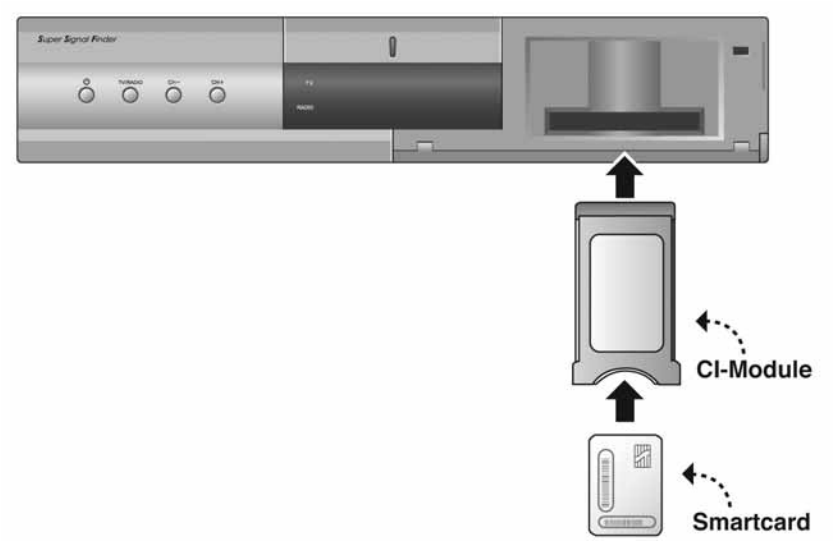
1. **LNB IN**
   Connects to satellite antenna cable.
2. **LNB OUT**
   Connects to other digital Set-Top Box.
3. **RS-232C**
   Connects to your PC to update product's software programme.
4. **TV SCART**
   Connects a TV SCART cable.
5. **VCR SCART**
   Connects a VCR SCART cable.
6. **VIDEO**
   Connects to your TV or VCR and outputs Video signals.
7. **AUDIO L/R**
   Connects to your TV or VCR and outputs Audio signals.
8. **RF OUT**
   Connects the RF signal of the product to the RF input jack on your TV.
9. **RF IN**
   Connects the general aerial antenna with the cable hack to the RF input jack of the product.
10. **S/PDIF**
    Outputs digital audio signals (S/PDIF).

1.4 Conditional Access

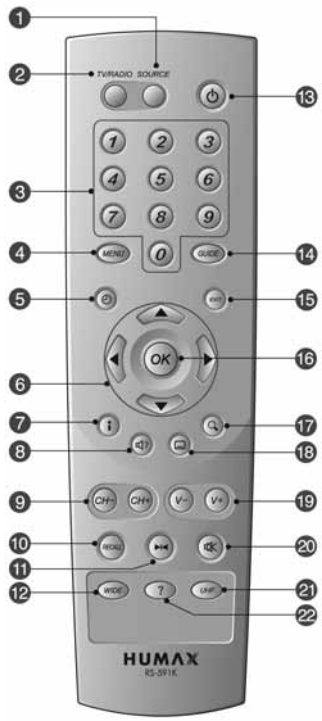
Inserting Common Interface CI-Module

Your receiver is equipped with a slot for Common Interface (CI).

1. Open the right-hand flap on the front panel of the product.
2. Insert the Smartcard into the CI module, and CI module into the slot.



1.5 Remote Control



1. **SOURCE**

   Selects the input source between TV and the product.

2. **TV/RADIO**

   Switches between TV and Radio.

3. **NUMERIC BUTTONS**

   Enter a TV/Radio service number or menu option number.

4. **MENU**

   Displays the main menu.

5. **TIME - WHITE**

   Displays the current time on the screen. To set the current time, refer to **8.2 System Setting**.

6. **ARROW BUTTONS**

   Changes services or moves the cursor up, down, left or right in menu option.

7. **i (INFORMATION) - RED**

   Displays the information about the service and programme.

8. **SOUNDTRACK - GREEN**

   Displays the soundtrack list where available.

9. CH - / CH +

Changes the service.

10. RECALL

Returns to the previous screen.

11. FREEZE

Freezes the TV screen you are watching. Does not cease audio.

12. WIDE

Changes the Display Format.

13. STANDBY

Switches between Operation and Standby modes.

14. GUIDE

Displays the Programme Guide.

15. EXIT

Returns to the previous menu and exits all OSD screens.

16. OK

Selects a menu or confirms the selection. Displays the service list while watching a programme.

17. ZOOM - BLUE

Enlarges the picture.

18. SUBTITLE - YELLOW

Displays the subtitle language list where available.

19. V - / V +

Adjusts the audio volume.

20. MUTE

Mutes or unmutes the audio temporarily.

21. UHF

Displays the UHF menu.

22. ? (HELP)

Displays the Property of Service on the screen. Please refer to **5.4 Setting Property of Service**.

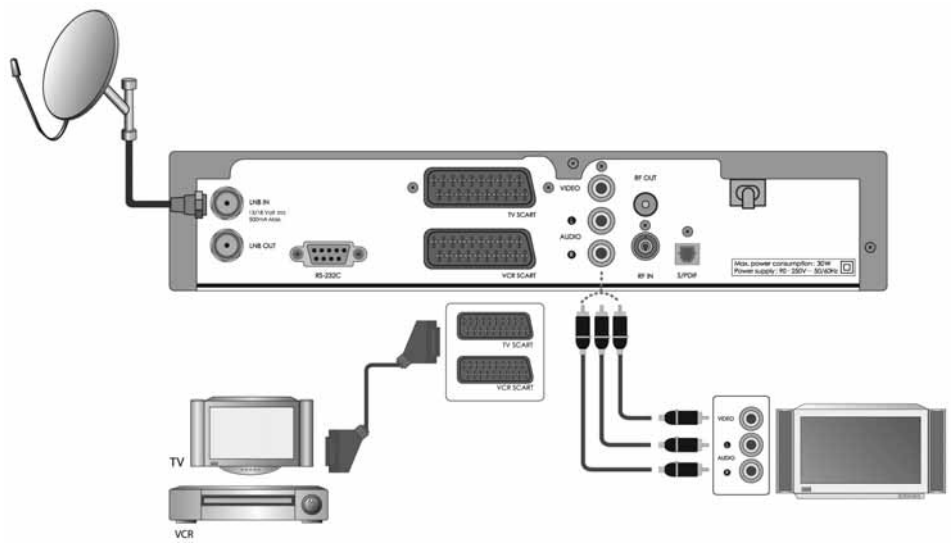
**** COLOUR BUTTONS (R/G/B/Y/W)**

Select color keys for interactive applications.

This chapter describes how to set up the product. Select the most appropriate procedure depending on your requirements. Before you connect the product to any other equipment, you must disconnect all equipments from their power sources.

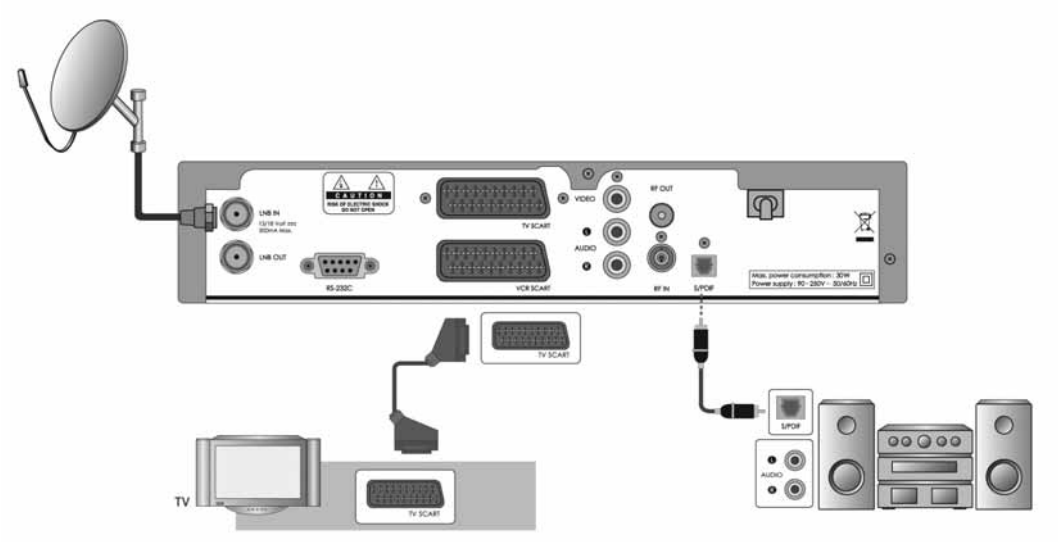
Note: If you encounter any problem when setting up the product, please contact your local product distributor.

2.1 Connecting Antenna/TV/VCR



1. Connect the Antenna to LNB IN of the product.
2. SCART cable or RCA cable is connected as in the figure above.

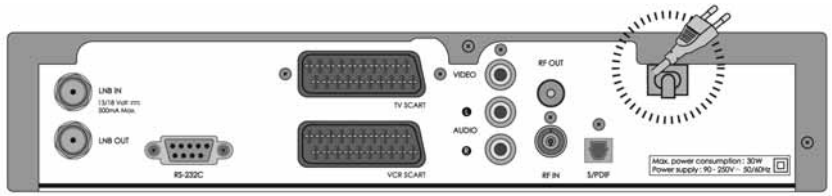
2.2 Connecting Audio System



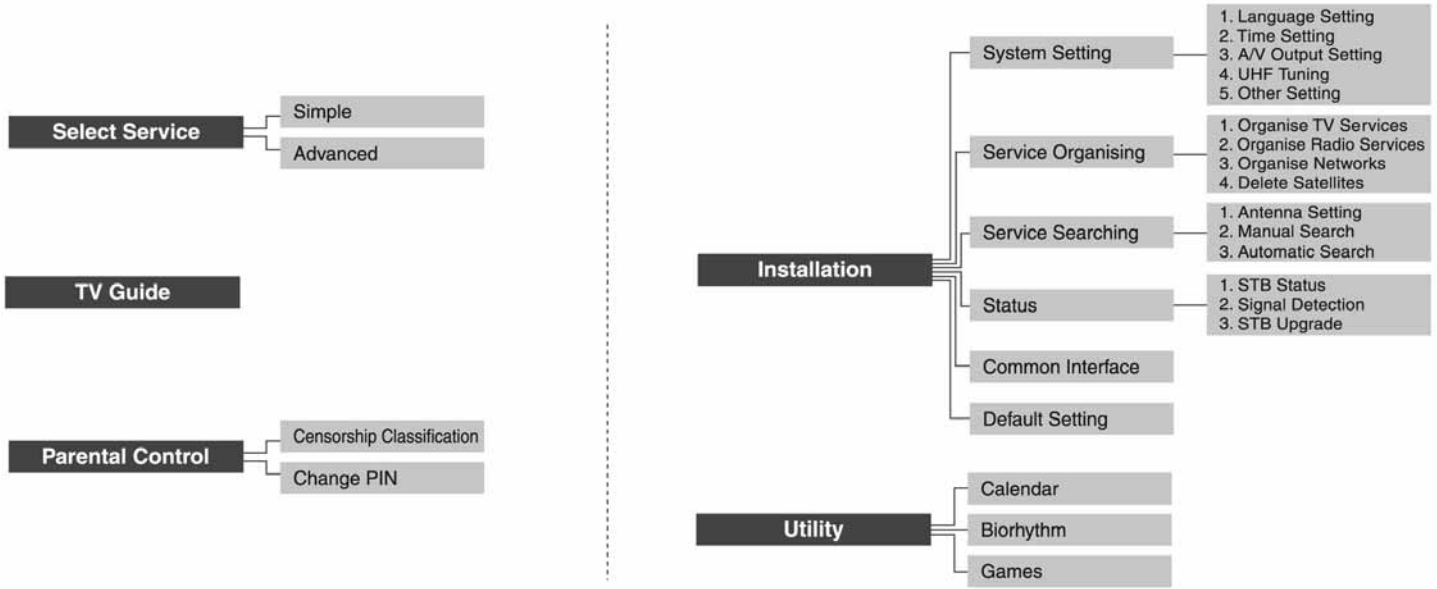
1. Connect the optical S/PDIF terminal and Dolby Digital decoder to listen to higher quality sound.

2.3 Powering On

1. Connect the power cord of the product to a wall outlet.



2. Press the **STANDBY** button on the front of the product or the remote control.


Select Service
Simple
Advanced
TV Guide
Parental Control
Censorship Classification
Change PIN
Installation
System Setting
1. Language Setting
2. Time Setting
3. A/V Output Setting
4. UHF Tuning
5. Other Setting
Service Organising
1. Organise TV Services
2. Organise Radio Services
3. Organise Networks
4. Delete Satellites
Service Searching
1. Antenna Setting
2. Manual Search
3. Automatic Search
Status
1. STB Status
2. Signal Detection
3. STB Upgrade
Common Interface
Default Setting
Utility
Calendar
Biorhythm
Games

Menu structure varies according to an item and its operation. You can easily navigate the menu using the following instructions:

1. Press the **MENU** button to display the main menu screen.
2. Select the item you want using the ▲/▼ button.
3. Press the **OK** button to move from a menu to a sub-menu.
4. Press the ◀/▶ button to select option values.
5. Press the **NUMERIC** buttons to enter the option values.
6. Press the ◀/▶ button to open the option list and press the **EXIT** button to close the option list.
7. Press the **EXIT** button to return to the parent-menu.
8. Press the **MENU** button to exit the menu screen.

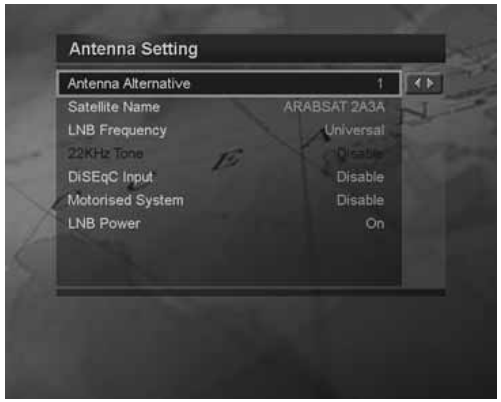
Note: Some menu items are access controlled. When accessing to the protected menu, you will be prompted to enter the PIN code. Enter your PIN code using the **NUMERIC** buttons. **The default PIN code is set to 0000**.

When powering on your product for the first time after purchase, the **Selecting Language** screen is automatically displayed. Select your desired language using the ▲/▼ button and press the **OK** button. Then the **Antenna Setting** menu will be displayed.

The default PIN code is 0000.

4.1 Antenna Setting

You can set antenna and LNB information to search services using **Antenna Setting** (***MENU-INSTALLATION-SERVICE SEARCHING-ANTENNA SETTING***).



- **Antenna Alternative:** Select antenna alternative which has different combinations of settings for search. Antenna Alternative 16 is predefined for SMATV.
- **Satellite Name:** Displays the satellite list in name order. If the desired satellite name is not listed, then select "User Defined". You can enter the Satellite Name using the keyboard displayed on the screen.
- **LNB Frequency:** Select the L.O (Local Oscillator) Frequency of the LNB.
- **22KHz Tone:** When using the 22HKz tone switch, select "Enabled". Otherwise, select "Disabled".
- **DiSEqC Input:** If you are using DiSEqC (Digital Satellite Equipment Control) switch to connect multiple antennas or LNBs, select DiSEqC input to connect to antenna or LNB.
- **Motorised System:** When using motorized system, select from "DiSEqC 1.2" or "USALS". Otherwise, select "Disabled". When motorized system is set to "DiSEqC 1.2" or "USALS", DiSEqC input is disabled.
- **LNB Power:** You can select "On" or "Off".

When you complete the settings, press the **OK** button to move to the **Manual Search** menu.

4.2 Manual Search

You can search services of the selected satellite by transponders if you know the transponder information.

- **Antenna Alternative:** Select antenna alternative which has different combinations of settings for search. Antenna Alternative 16 is predefined for SMATV.
- **Frequency:** Enter transponder frequency.
- **Polarisation:** Select the type of polarisation.
- **Symbol Rate:** Select or enter transponder symbol rate.
- **FEC:** Select FEC (Forward Error Correction).
- **Network Search:** If you want to search services for multiple transponders, select "Yes". Otherwise, select "No".
- **Automatic Skip:** When skipping all scrambled service search, select "Yes". Otherwise, select "No".
- **Advanced:** In advanced mode, enter Video Packet ID (PID), Audio PID, and PCR PID.

After setting the parameters of search, press the **OK** button to start service search. Wait until the operation is completed. After finishing search operation, the result window will be displayed. You can delete the services using the ▲/▼/◀/▶ and the **RED** button. To cancel deleting operation, press the **RED** button again. The screen also shows the number of the services found and the transponder information.

To save the found services, press the **OK** button.

Note:

- If the antenna is properly set up, the signal strength bar and quality bar level, located at the bottom of the screen moves up.
- Press the **EXIT** button to stop search operation.
- When you press the **i** (ⓘ) button after selecting "USALS" in **Motorised System**, **USALS Setting** screen will appear.

4.3 Satellite Setting

This menu appears only when you enable **Motorised System** in **Antenna Setting** menu and press the **OK** button while **Antenna Alternative** in **Manual Search** menu is selected.

- **Satellite Name:** Select a satellite to identify a motor antenna. If the desired satellite name is not listed, then select "OTHER".
- **Movement:** In user mode, this is used to fine-tune the position of the motor. In installer mode, this is used to search for the position of the satellite manually.
- **Motor Control:** You can select one option among "Search", "Go to", "Store", or "Reset".
  - Search: Searches for services on the selected transponder.
  - Go to: Moves the motor to the saved position of the selected satellite.
  - Store: Saves the current position of the motor for the selected satellite.
  - Reset: Resets all saved positions of the motor relative to the 0 position. (Installer Mode Only)
- **DiSEqC Command Mode:** Select "Installer" or "User" mode.

The following table shows the value of the motor setting options.

DiSEqC Command Mode	Movement	Motor Control
Installer	East / Stop / West	Search / Go to / Store / Reset
User	Stop(60E) ~Stop(0) ~Stop(60W)	Search / Go to / Store

To initialise the satellite position saved at **Motor Antenna**, set **DiSEqC Command Mode** to "Installer", set "Motor Control" to "Reset", then press the **OK** button. You will see a warning message. To continue the procedure, press the **OK** button.

To set the motor position for each satellite manually, select the Satellite Name, set **DiSEqC Command Mode** to "Installer", and then set **Movement** to one option among "East", "Stop", or "West". The motor starts moving. The level of signal strength and quality bar at the bottom of the screen will indicate the best position of the dish. Set **Motor Control** to "Store" when you find the best position, then press the **OK** button to save the position.

To move the motor to the pre-set position of the satellite, select the Satellite Name, set **DiSEqC Command Mode** to "User", set **Motor Control** to "Goto", and set **Movement** to the desired value. Movement is used to fine-tune the position of the motor. Press the **OK** button. the motor will move to the position of the selected satellite.

4.4 Motor Limit Setting

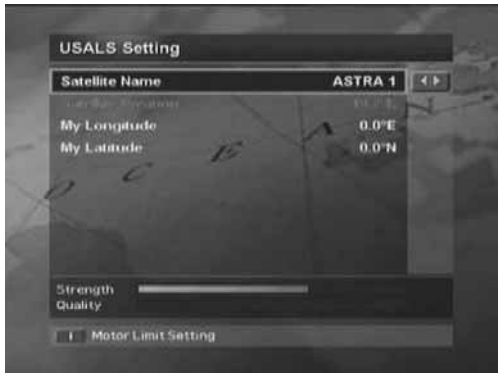
To enter this menu, press the **RED** button in **Satellite Setting** menu. You can set the maximum for both East and West to prevent damage to the antenna.

- **Limit Setting:** When Limit setting is set to "Enabled", the motor does not move exceeding the limit. When Limit setting is set to "Disabled", the setting is released.
- **Movement:** You can select one among "East", "Stop", or "West".
- **Store East Limit:** You can save the East Limit.
- **Store West Limit:** You can save the West Limit.

4.5 USALS Setting

This menu appears only when you select "USALS" in **Motorised System** menu and press the **i** (ⓘ) button in **Antenna Setting** menu.

- **Satellite Name:** Displays the satellite list in name order. If the required satellite name is not listed, select "User Defined". You can enter the satellite name using the keyboard displayed on the screen.
- **My Longitude:** Enter the longitude.
- **My Latitude:** Enter the latitude.



Note: The values for **My Longitude** and **My Latitude** will be saved after initial setting.

4.6 Automatic Search

If you select the satellite to search services according to **Antenna Setting**, you can automatically search the service without entering any other information.

To enter **Automatic Search** menu, press the **MENU** button, then select ***INSTALLATION-SERVICE SEARCHING-AUTOMATIC SEARCH***.

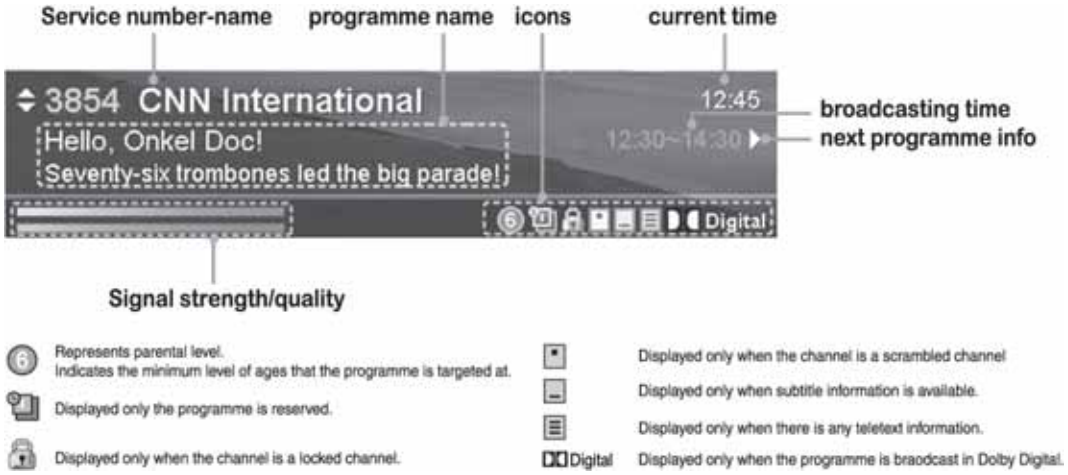
- **Antenna Alternative:** Select antenna alternative which has different combinations of settings for search. The Satellite Name is automatically displayed. Antenna Alternative 16 is predefined for SMATV.
- **Automatic Skip:** When skipping all scrambled service search, select "Yes". Otherwise, select "No".
- **Search Type:** If you want to search services through all field of tuner (950~2150MHz), select "Detail". Otherwise, select "Quick" to search services with the preset parameters. In detail mode, you can add the desired Symbol Rate.
- **Network Search:** If you want to search services for multiple transponders, select "Yes". Otherwise, select "No". When you complete the setting, press the **OK** button to start service search.

5.1 Viewing Programme

You can change a service using the **CH-/CH+**, ▲/▼ , or **NUMERIC** buttons. You can also use the Service List or Programme Guide.
You can adjust the audio volume using the **V-/V+** or ◀/▶ button.

Programme Information (i-plate)

i-plate, or the Information Box, is always displayed for a specific period of time whenever you switch services. You can view the programme information by pressing the **i** button while watching a programme. You can see the detailed information about the current programme by pressing the **i** button twice. If the detailed information is more than one page, use the ▲/▼ button to move to the previous or next page. Press the **EXIT** button to hide the i-plate.
You can adjust the display time of i-plate in ***MENU-INSTALLATION-SYSTEM SETTING-OTHER SETTING-INFO.BOX DISPLAY TIME***.


Service number-name
programme name
icons
current time
3854 CNN International
12:45
broadcasting time
Hello, Onkel Doc!
12:30~14:30
next programme info
Seventy-six trombones led the big parade!
Digital
Signal strength/quality
Represents parental level.
Indicates the minimum level of ages that the programme is targeted at.
Displayed only the programme is reserved.
Displayed only when the channel is a locked channel.
Displayed only when the channel is a scrambled channel
Displayed only when subtitle information is available.
Displayed only when there is any teletext information.
Digital
Displayed only when the programme is braodcast in Dolby Digital.

5.2 Changing Language

If the current programme provides subtitle information, the subtitle icon will appear on the i-plate. You can select the language for the subtitle using the **SUBTITLE** button. You can select a default subtitle language in ***MENU-INSTALLATION-SYSTEM SETTING-LANGUAGE SETTING-SUBTITLE LANGUAGE***.

If the current programme is available in multiple audio languages, you can select the language that you wish to listen in using the **SOUNDTRACK** button. You can select a default audio language in ***MENU-INSTALLATION-SYSTEM SETTING-LANGUAGE SETTING-AUDIO LANGUAGE***.

You can also select a default OSD language in ***MENU-INSTALLATION-SYSTEM SETTING-LANGUAGE SETTING-MENU LANGUAGE***.

5.3. Teletext

When the service supports teletext, the teletext icon is displayed on the I-plate. To enter Teletext mode, use the **SUBTITLE** button to display teletext.

To display teletext menu, press the **MENU** button in teletext mode. Select your desired teletext function using the ◀/▶ button and press the **OK** button. To view the teletext page, use the **CH-/CH+**, ▲/▼ , **RECALL**, or **NUMERIC** buttons.

Teletext Functions

	Index	Returns to index page. If there is no index page, jumps to page 100.
	Sub-page	Searches the sub-page using the sub-code written by users. If it's not in the teletext mode, display the current time.
	MIX	Adjusts transparency of teletext screen.
	Cancel	Hides the teletext except page number.
	Reveal	Displays the concealed information.
	Double Size	Displays the text size as double size.
	Page Hold	Holds the current page not updating it.

5.4 Setting Property of Service

You can add the current service to Favourite group. In addition, you can lock, unlock, skip and delete the current service while watching a programme.

The operation is as follows:

1. Press the **OK** button while watching a programme. The service list will appear on the screen.
   You can also display the service list using the ***MENU-SELECT SERVICE-SIMPLE (or ADVANCED)***. You can select the type of the service lists (All, Favourite, Network, Satellite, Alphabet) by pressing the **COLOUR** button.
2. Press the **MENU** button while the service list is displayed.
3. Select your desired item (**Favourites/Lock** or **Unlock/Skip/Delete**) using the ▲/▼ button, and press the **OK** or ◀/▶ button.
4. After setting property of a service, press the **OK** button to save the changes.

Note:

- When unlocking a service, you will be prompted to enter your PIN code. **The default PIN code is 0000.**
- When switching to the locked service, you should enter the PIN code to view the service.
- You will not be able to watch the skipped services by using the **CH-/CH+** button. However, you can watch the skipped services using the **NUMERIC** buttons or Service List.
- For detailed information about how to register all services as Favourite Service, refer to **6.3 Organising Favourite Services**.

There are five types of service lists – All, Favourite, Network, Satellite, Alphabet - to find services you are interested in quickly and easily.

All service list display all searched TV or Radio services sorted by service number. Favourite service list displays favourite services with automatic sub-groups and four sub-groups that you can organise services accordinig to your preference. Network service list displays services with several network subgroups. Satellite service list displays services classified by satellites. Alphabet service list displays all searched TV or Radio services sorted by service name.

6.1 Switching Services

1. Press the **OK** button while watching a programme to display the service list. You can also display the service list using the ***MENU-SELECT SERVICE-SIMPLE (or ADVANCED)***.
2. Press the **COLOUR** button to display the corresponding service list. **RED** (All service list), **GREEN** (Favourite service list), **YELLOW** (Network service list), **BLUE** (Satellite service list), **WHITE** (Alphabet service list)
3. Select your desired service using the ▲/▼ , **CH-/CH+** or **NUMERIC** buttons, and press the **OK** button to change to the selected service.

Note:

- Whenever you press the **TV/RADIO** button while the service list is displayed, the service list will be switched between TV and Radio service list.
- You can also set the property of services in this service list. Press the **MENU** button while the service list is displayed. For more information, refer to **5.4 Setting Property of Service**.

6.2 Organising Services

You can edit TV or Radio services using the Organise TV Services (***MENU-INSTALLATION-SERVICE ORGANISING-ORGANISE TV SERVICES-ORGANISE ALL SERVICES***) or Organise Radio Services (***MENU-INSTALLATION-SERVICE ORGANISING-ORGANISE RADIO SERVICES-ORGANISE ALL SERVICES***). You will be prompted to enter your PIN code. **The default PIN code is 0000**. Before leaving **Organise TV/Radio Services** screen, you will be prompted to save the changes. If you would like to save the changes, select OK, and press the **OK** button.

You can delete, move, lock or unlock, skip and rename services.

You can select a service using the ▲/▼/◀/▶ button, and press the **COLOUR** button to execute the corresponding operation as described on the screen.

When you rename a service, the keyboard will appear on the screen. You can change the name using the keyboard. Select a character using the ▲/▼/◀/▶ button, and press the **OK** button to enter the selected character. After entering the new name, press the **YELLOW** button to save it.

- To delete a character, press the **BLUE** button.
- To switch to the standard keyboard, press the **RED** button.
- To switch to the extended keyboard, press the **GREEN** button.

Note: You must enter your PIN code using the **NUMERIC** buttons to view the locked services.

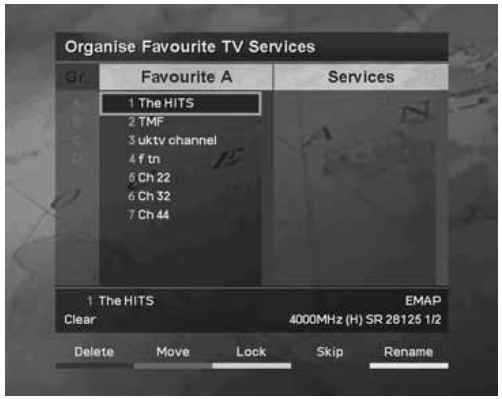
6.3 Organising Favourite Services

You can add services to Favourite groups using Organise Favourite TV Services (***MENU-INSTALLATION-SERVICE ORGANISING-ORGANISE TV SERVICES-ORGANISE FAVOURITE A~D***) or Organise Favourite Radio Services (***MENU-INSTALLATION-SERVICE ORGANISING-ORGANISE RADIO SERVICES-ORGANISE FAVOURITE A~D***). Before leaving **Edit Favourite Services** screen, you will be prompted to save the changes. If you would like to save the changes, select OK, and press the **OK** button.

The **Organise Favourite TV/Radio Services** screen consists of Favourite Group and Favourite List on the left side of the screen and Service List on the right side. You can move the highlighter in order of Favourite Group, Favourite List, and Service List using the ▶ button. You can move the highlighter in reverse direction using the ◀ button.

To add services to Favourite List, select a service in Service List using the ▲/▼ button, and press the **OK** button.

For more information about how to edit the services in Favourite List, refer to **6.2 Organising Services**.



6.4 Organising Networks

You can delete, move and rename networks. To enter **Organise Networks** menu, go to ***MENU-INSTALLATION-SERVICE ORANISING-ORGANISE NETWORKS***. You can select a network using the ▲/▼ button, and press the **COLOUR** button to execute the corresponding operation as described on the screen. You can move the highlighter in order of Network List and Service List using the ▶ button. You can move the highlighter in reverse direction using the ◀ button. For more information about how to rename a network, refer to **6.2 Organising Services**.

6.5 Deleting Satellites

You can delete satellites and transponders.

To enter **Delete Satellites** menu, go to ***MENU-INSTALLATION-SERVICE ORGANISING-DELETE SATELLITES***.

The **Delete Satellites** screen consists of Satellite List on the left side of the screen and Transponder List and Service List on the right side. You can move the highlighter in order of Satellite List Transponder List, and Service List using the ▶ button. You can move the highlighter in reverse direction using the ◀ button.

You can select a satellite in Satellite List or transponder in Transponder List using the ▲/▼ button, and press the **RED** button to delete the selected satellite or transponder.

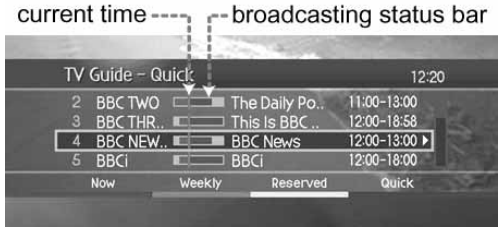
Note: You should turn on at least one satellite.

The programme guide provides the programme information for all services, based on date and time. In addition, it provides convenient ways to view programmes in "Now", "Next", "Weekly", or "Quick" mode - to search your desired programme and to watch or reserve it.

You can go to the programme guide screen by just pressing the **GUIDE** button or by using ***MENU-TV GUIDE***. To close the guide screen, press the **GUIDE** or **EXIT** button.

You can navigate the guide using the following instructions:

- Press the **RED** button to display the current or next programme list.
- Press the **GREEN** button to display the programme list for a week.
- Press the **YELLOW** button to display the reserved programme list.
- Press the **BLUE** button to display the simple Guide. This is also called Quick Guide.



- Press the **WHITE** button to reserve the selected programme in Now, Next, Weekly, or Quick mode.
- Press the **WHITE** button to change the reservation mode or to cancel the reservation in Reserved mode.
- Select a service using the ▲/▼ or **CH-/CH+** button. When switching services using the ▲/▼ button, press the **OK** button to display the selected service on the right side of the screen.
- Select a day in Weekly mode using the ◀/▶ button, and press the **OK** button.

Note:

- Press the **TV/RADIO** button to switch to Radio Guide.
- The reservation icons on the reserved programmes in the guide differ according to the reservation type.

	Once	Reserve the programme once.
	Daily	Reserve the programme everyday.
	Weekly	Reserve the programme once a week.

- If your desired programme is overlapped with another programme, adjust the reservation appropriately. If the service is locked, restricted by watching time, you will be prompted to enter your PIN code to complete the reservation.
  The default PIN code is 0000.

This chapter describes the menu which lets you customise your product according to your perference.

8.1 Parental Control

The Parental Control menu (***MENU-PARENTAL CONTROL***) lets you control the access to programmes by programme rating.

Set Censorship Classification by age level. “No Block” allows you to watch programmes without any blocking. You can block all programmes regardless of age level. The blocked programmes require your PIN code.

The default PIN code is 0000.

We recommend you to change the old PIN code to a new one periodically for security. If you have forgotten your PIN code, please contact your local product distributor.

8.2 System Setting

The System Setting menu (***MENU-INSTALLATION-SYSTEM SETTING***) lets you set language, time, audio/video output, UHF tuning, transparency of OSD, duration time of i-plate and switching mode to reserved service.

1. Language Setting

You can set the default language for menu, audio, and subtitle.

2. Time Setting

You can set the current time, and turn the product on or off automatically. Once you set the Wakeup time and Sleep time, the product is turned on and off everyday.

3. A/V Output Setting

This menu lets you adjust the audio and video output, set Dolby Digital, match the screen ratio to your TV, select the display format according to the screen ratio, select the TV standard, and set the NTSC mode.

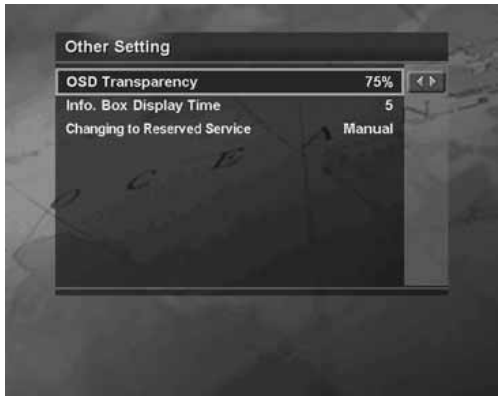
You can choose the Dolby Digital audio stream whenever possible by selecting **On** in the Dolby Digital setting.

4. UHF Tuning

You can select UHF Channels for your TV and adjust fine tuning setting. The channel range and frequency change according to PAL Standard.

5. Other Setting

You can adjust the transparency level of On-Screen Display (OSD), set the display time of the i-plate when switching services and select automatic or manual mode to change to the reserved service.



9.1 Status

The **Status** menu (***MENU-INSTALLATION-STATUS***) provides checking tools such as status information of system and signal level of service.

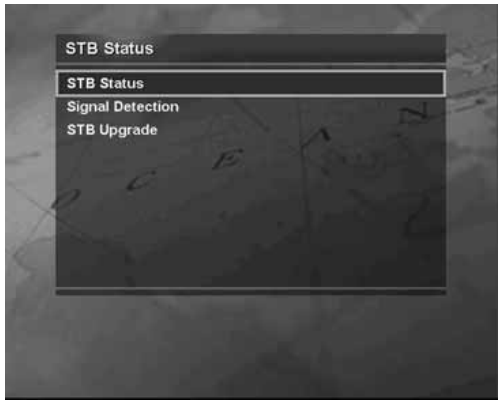
1. STB Status

You can view the information on the H/W and S/W version, device driver version, S/W last update, loaded version, system ID and current service.

When you contact your service provider or local product distributor, this information may be required.

2. Signal Detection

You can view the signal level and signal quality of the current service.



3. STB Upgrade

You can enter the required values and upgrade the STB software.

- **Antenna Alternative :** Select antenna alternative which has different combinations of settings for search. Antenna Alternative 16 is predefined for SMATV.
- **Frequency:** Enter transponder frequency.
- **Symbol Rate:** Select or enter transponder symbol rate.
- **FEC:** Select FEC(Forward Error Correction).

For detailed information about STB Upgrade, refer to **11. Software Update**.

9.2 Common Interface

You can view the current status of the CI module.

9.3 Default Setting

You can restore the product to the factory settings using the Default Setting menu (***MENU-INSTALLATION-DEFAULT SETTING***). You will be prompted to enter your PIN code. **The default PIN code is 0000**.

After completing the default setting, the **Searching Services** screen will be displayed. For more information, refer to **4. Searching Services**.

Warning:

Please note that once you perform Default Setting, all data except the customised PIN code will be restored to the factory settings.

The product provides various utilities; view calendar, check biorhythm, games.
To use utilities, go to ***MENU-UTILITY***.

1. Calendar

You can see the specified monthly calendar. Press the ▲/▼ button to change the year. Press the ◀/▶ button to change the month. Press the **OK** or **EXIT** button to return to the previous menu.

2. Biorhythm

You can adjust your birth year and date to see your current biorhythm status. Press the ◀/▶ button to move to the next step. Press the ▲/▼ button to change a value in the step. Press the **EXIT** button to return to the previous menu.

3. Games

You can select games using the ◀/▶ button. Use the ▲/▼/◀/▶ , **OK**, **COLOUR** or **EXIT** button according to the instructions displayed on the screen.

11 Software Update

In order to maintain proper performance of the product, it is essential to have the most up-to-date software.

1. OTA (Over the Air)

OTA, an abbreviation of Over–the-Air, is a standard for the transmission of software for equipment through a broadcast system.
Over the Air (OTA) is simply an alternative method for downloading software versions. However, the operator reserves the right to decide when and where this software update can take place over the antenna.
The software update will only occur under the following circumstances:

1. The equipment should have appropriate loader software.
   Caution: Please note that if you don't have normal loader software, the equipment may not be updated or work after software update.
2. The operator decides to release the software via a designated antenna system.
3. The equipment must be tuned properly to the same channel that the operator uses.
4. Upgrade software when the quality of receiving signal strength is high.

Caution:

- Please be careful to keep the power on and the power cord plugged in during software update. If the power is off during software update, it may cause fatal damage to the product.
- Please be careful not to pull out the Signal line during software update. Update may be interrupted and the product may not work.

The product cannot work at all during software update. It may take 5-10 minutes to update software.

Updating software is largely divided into two ways, automatic detection and using software update menu (***MENU-INSTALLATION-STATUS-STB UPGRADE***).

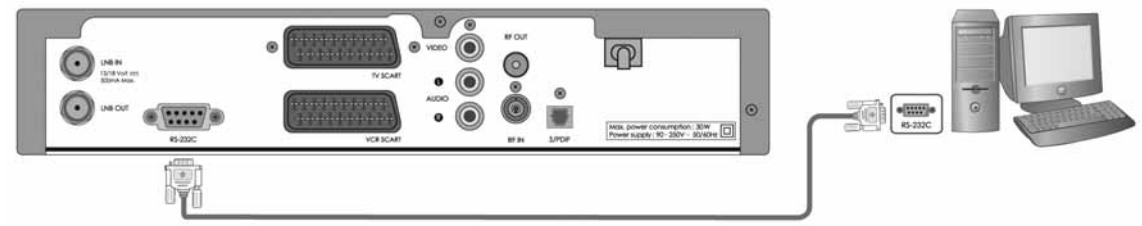
New software can be found when powering on the product. The notice informing you of new software detection will appear on the screen. If you would like to update software, select **Yes**, and press the **OK** button. After completing the software upgrade, the product is automatically powered off and on again.

2. Software Update from PC

You can connect your product to the PC directly and upgrade your software by transferring the new software from the PC.

Follow these steps to download new software from PC to this product.

1. Download new software file equivalent for this product model from our website into your computer **(http://www.humaxdigital.com)**.
2. Download and install download tool from our website into your computer.
3. Connect your PC to this product with RS-232C serial cable.
4. Execute installed download tool, and then follow the instructions on the download tool.
5. Press the **STANDBY** button to operate product.



12 Troubleshooting

Before contacting your local service, please read the following instructions. If the product does not work normally after completing the following troubleshooting, please contact your local product distributor or service centre.

1. **The LED on the front panel does not light.**
   - Check the main power cable and make sure that it is plugged into a suitable power outlet.

2. **No picture**
   - Make sure that the product is in operation mode.
   - Make sure that the AV Cable is firmly connected to the TV.
   - Make sure that the antenna line is correctly connected to the equipment.
   - Check the brightness level of TV.
   - Check if the service is on air.

3. **Poor picture or sound quality**
   - Make sure there is no mobile phone or microwave oven near the equipment.
   - Check the signal strength and quality which can be influenced by weather.
   - Change satellite dish into a bigger one if it is small.
   - Replace the LNB with a one with low noise factor if the noise factor is high.
   - Replace the LNB with a new one if it is damaged or out of order.

4. **No/poor sound**
   - Check the volume level of the TV and product.
   - Check the mute status of the TV and product.
   - Press the **SOUNDTRACK** button to change the audio type.

5. **Remote control does not operate**
   - To manipulate the equipment with the remote control, its emitting part should directly point towards its receiving part of the product.
   - Check the battery of the remote control.
6. **Reservation is unavailable**
   - Check if it is not overlapped with other reservation.
   - Check if the power is off.
7. **Watching scrambled service is not available**
   - Install the proper CI module.
   - Check if the CI module is broken.
   - Pull out the CI module and reinsert.

MPEG Transport Stream A/V Decoding	
Aspect Ratio	4:3, 16:9
Video Resolution	720 x 576, 720 x 480
Audio Mode	Single /Dual mono/ Stereo /Joint stereo

Memory	
Flash Memory	2 Mbytes
Graphics(MPEG) & System Memory	16 Mbytes
EEPROM	8 Kbytes

RF-Modulator	
Output Channel	CH 21 ~ 69
TV standard	PAL I/G/B/D/K
Preset Channel	CH 36

A/V & Data In/Out	
TV SCART	Video Output (CVBS, RGB, S-Video) Audio Output
VCR SCART	Video Output (CVBS, S-Video) Video Input (CVBS, RGB, S-Video) Audio Output
S/PDIF	Digital Audio Output, Fiber-Optic (Resolution: 20 bits)

Power Supply	
Input Voltage	AC 90 ~ 250V, 50/60Hz
Type	Switching Mode Power Supply (SMPS)
Power Consumption	Operation mode: Max. 30 W Standby mode: Max. 9 W
Protection	Separate internal fuse & Lightning protection

Physical Specification	
Size	310 mm X 60 mm X 237 mm
Weight (Net)	1.89 kg
Operating Temperature	0 ℃ to +45 ℃
Storage Humidity	5% ~ 95% RH (Non-condensing)

14 Service and Support

You can get information such as a troubleshooting guide, software upgrades and product support guide from the following web sites and call center (Hotline).
Please try to contact to your local dealers first when facing a problem.

Germany

Tel:	01805-778870 (€0,12/min)
Opening Hours:	Mon-Sat 8:00-20:00
E-mail:	techinfo@humax-digital.de
Website:	www.humax-digital.de
Language:	Deutsch/English/Turkish

UK

Tel:	0870 247 8800
Opening Hours:	Mon-Fri 8:30-18:00
E-mail:	uksupport@humax-digital.co.uk
Website:	www.humax-digital.co.uk
Language:	English

Middle East (Dubai, UAE)

Tel:	+971 (0)4 359 2323
Opening Hours:	Sat-Thurs 9:00-20:00 (Closed on Fri)
E-mail:	callcenterME@humaxdigital.com
Website:	www.humaxarabia.com
Language:	Arabic/English

Australia

Tel:	1800 613 011
Opening Hours:	Mon- Fri 9:00- 17:30
E-mail:	techinfoau@humaxdigital.com
Website:	www.humaxdigital.com/australia
Language:	English

Italy

Tel:	899 100 080 (€1+ VAT/min)
Orario:	Local time in Italy (GMT+1)
	Mon- Fri 8:00 – 18:00
Language:	Italian

Sweden

Tel:	+46 (0)550 85527
Opening Hours:	Mon-Fri 8:00-16:30
Language:	Swedish/English

Finland

Tel:	09 56186366
Opening Hours:	Mon-Fri 8:00-16:00
Language:	Finnish/English

Austria

Tel:	0820 400675 (€0,12/min)
Opening Hours:	Mon-Sun 8:00-23:00
E-mail:	support@humax-digital.de
Website:	www.humax-digital.de
Language:	Deutsch/English/Turkish

Note: For hardware repair, please visit our website.

HUMAX

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